



NORTH AMERICA
EAST COAST
MASSACHUSETTS

GLoucester Harbour

FROM THE UNITED STATES COAST SURVEY

1854

Eastern Pt. Light $(42^{\circ} 34' 47'' \text{ N.}, 70^{\circ} 39' 33'' \text{ W.})$

H.W.F & C. XIIth A^m.—Springs rise 10 $\frac{1}{2}$. Neaps 8 $\frac{1}{2}$ feet.
g.gravel, hd.hard, m.mud, r.rock, s.sand, sh.shells, sf.soft.

Variation in 1862 increasing 4' annually.

SOUNDINGS IN FATHOMS

SAILING DIRECTIONS

Approaching Gloucester from Cape Ann, beware of the Londoner, a rock 200 yds in extent, $\frac{1}{2}$ a mile S.E. by E. from Thatcher's I^d South L^t. There is a channel to the West $\frac{1}{4}$ of a mile wide, with 5 & 6 fms, but strangers should pass to the East^d, not approaching the Lights nearer than one mile, till they bear N.W. With Thatcher's I^d L^t in one bearing N. by E. & E. one mile distant, steer S.W. by W $\frac{1}{2}$ W. five miles till East P^t Light bears nearly North, haul round the P^t to the North^d and West^d, keeping $\frac{1}{2}$ a mile from shore to clear East Point Ledge and Dog Bar.

To enter South East Harbour Bring Ten Pound Light to bear N.N.E. $\frac{1}{2}$ E. and run for it, when within $\frac{1}{2}$ a mile, or halfway between it and Black Bass Point, steer E.N.E. $\frac{1}{2}$ E. towards Long Beach to Anchorage in 5 and 6 fms, muddy bottom.

To enter Inner Harbour Bring Ten Pound L^t to bear N.E. & steer N.E. $\frac{1}{2}$ N. passing on Port-hand of Round Rock Shoal and Ten Pound Ledge, when Ten Pound L^t bears E. S.E. distant 300 yds, steer N.E. by E. $\frac{1}{2}$ E. into Inner Harbour.

